

国際調査報告

(法8条、法施行規則第40、41条)
[PCT18条、PCT規則43、44]

出願人又は代理人 の書類記号 FP-4140	今後の手続きについては、国際調査報告の送付通知様式(PCT/ISA/220) 及び下記5を参照すること。	
国際出願番号 PCT/JPO0/02566	国際出願日 (日.月.年) 20.04.00	優先日 (日.月.年) 20.04.99
出願人(氏名又は名称) 株式会社ミツバ		

国際調査機関が作成したこの国際調査報告を法施行規則第41条(PCT18条)の規定に従い出願人に送付する。
この写しは国際事務局にも送付される。

この国際調査報告は、全部で 3 ページである。

☐ この調査報告に引用された先行技術文献の写しも添付されている。

1. 国際調査報告の基礎

a. 言語は、下記に示す場合を除くほか、この国際出願がされたものに基づき国際調査を行った。

☐ この国際調査機関に提出された国際出願の翻訳文に基づき国際調査を行った。

b. この国際出願は、ヌクレオチド又はアミノ酸配列を含んでおり、次の配列表に基づき国際調査を行った。

☐ この国際出願に含まれる書面による配列表

☐ この国際出願と共に提出されたフレキシブルディスクによる配列表

☐ 出願後に、この国際調査機関に提出された書面による配列表

☐ 出願後に、この国際調査機関に提出されたフレキシブルディスクによる配列表

☐ 出願後に提出した書面による配列表が出願時における国際出願の開示の範囲を超える事項を含まない旨の陳述書の提出があった。

☐ 書面による配列表に記載した配列とフレキシブルディスクによる配列表に記録した配列が同一である旨の陳述書の提出があった。

2. ☐ 請求の範囲の一部の調査ができない(第I欄参照)。

3. ☐ 発明の単一性が欠如している(第II欄参照)。

4. 発明の名称は ☒ 出願人が提出したものを承認する。

☐ 次に示すように国際調査機関が作成した。

5. 要約は ☒ 出願人が提出したものを承認する。

☐ 第III欄に示されているように、法施行規則第47条(PCT規則38.2(b))の規定により国際調査機関が作成した。出願人は、この国際調査報告の発送の日から1カ月以内にこの国際調査機関に意見を提出することができる。

6. 要約書とともに公表される図は、

第 1 図とする。 ☒ 出願人が示したとおりである。

☐ なし

☐ 出願人は図を示さなかった。

☐ 本図は発明の特徴を一層よく表している。

A. 発明の属する分野の分類 (国際特許分類 (IPC))

Int. Cl. H02K 29/00, 21/14

B. 調査を行った分野

調査を行った最小限資料 (国際特許分類 (IPC))

Int. Cl. H02K 29/00, 21/00, 1/27

最小限資料以外の資料で調査を行った分野に含まれるもの

日本国実用新案公報 1926-1996年
 日本国公開実用新案公報 1971-2000年
 日本国登録実用新案公報 1994-2000年
 日本国実用新案登録公報 1996-2000年

国際調査で使用した電子データベース (データベースの名称、調査に使用した用語)

C. 関連すると認められる文献

引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号
Y	日本国実用新案登録出願60-168158号 (日本国実用新案登録出願公開62-78072号) の願書に添付した明細書及び図面の内容を撮影したマイクロフィルム (株式会社安川電機製作所) 19. 5月. 1987 (19. 05. 87) 全文、第1-5図 (ファミリーなし)	1-3
Y	JP, 10-178752, A (ソニー株式会社) 30. 6月. 1998 (30. 06. 98) 全文、第1-6図 (ファミリーなし)	1-3

☒ C欄の続きにも文献が列挙されている。☐ パテントファミリーに関する別紙を参照。

* 引用文献のカテゴリー

「A」 特に関連のある文献ではなく、一般的技術水準を示すもの
 「E」 国際出願日前の出願または特許であるが、国際出願日以後に公表されたもの
 「L」 優先権主張に疑義を提起する文献又は他の文献の発行日若しくは他の特別な理由を確立するために引用する文献 (理由を付す)
 「O」 口頭による開示、使用、展示等に言及する文献
 「P」 国際出願日前で、かつ優先権の主張の基礎となる出願

の日の後に公表された文献

「T」 国際出願日又は優先日後に公表された文献であって出願と矛盾するものではなく、発明の原理又は理論の理解のために引用するもの
 「X」 特に関連のある文献であって、当該文献のみで発明の新規性又は進歩性がないと考えられるもの
 「Y」 特に関連のある文献であって、当該文献と他の1以上の文献との、当業者にとって自明である組合せによって進歩性がないと考えられるもの
 「&」 同一パテントファミリー文献

国際調査を完了した日

17. 07. 00

国際調査報告の発送日

25.07.00

国際調査機関の名称及びあて先

日本国特許庁 (ISA/JP)
 郵便番号100-8915
 東京都千代田区霞が関三丁目4番3号

特許庁審査官 (権限のある職員)

安池 一貴

3V

9150

電話番号 03-3581-1101 内線 3356

C (続き) . 関連すると認められる文献		
引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号
Y	JP, 9-172760, A (株式会社ミツバ) 30. 6月. 1997 (30. 06. 97) 段落番号【0010】-【0016】、図1 &FR, 2742607, A &IT, 96841029, A &US, 5767601, A	2
Y	US, 4656379, A (THE GARRETT CORPORATION) 7. 4月. 1987 (07. 04. 87) 第8頁第55行-第9頁第10行、図13 &US, 4631435, A &IL, 80956, A &JP, 62-147936, A &EP, 228872, A &EP, 228873, A	3

37 101019349 /
Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference FP-4140	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/JP00/02566	International filing date (day/month/year) 20 April 2000 (20.04.00)	Priority date (day/month/year) 20 April 1999 (20.04.99)
International Patent Classification (IPC) or national classification and IPC H02K 29/00, 21/14		
Applicant MITSUBA CORPORATION		

- This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
- This REPORT consists of a total of 3 sheets, including this cover sheet.

☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of _____ sheets.

- This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 17 November 2000 (17.11.00)	Date of completion of this report 29 June 2001 (29.06.2001)
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP00/02566

I. Basis of the report

1. With regard to the **elements** of the international application:*

☒ the international application as originally filed

☐ the description:

pages _____, as originally filed

pages _____, filed with the demand

pages _____, filed with the letter of _____

☐ the claims:

pages _____, as originally filed

pages _____, as amended (together with any statement under Article 19

pages _____, filed with the demand

pages _____, filed with the letter of _____

☐ the drawings:

pages _____, as originally filed

pages _____, filed with the demand

pages _____, filed with the letter of _____

☐ the sequence listing part of the description:

pages _____, as originally filed

pages _____, filed with the demand

pages _____, filed with the letter of _____

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:

☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).

☐ the language of publication of the international application (under Rule 48.3(b)).

☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

☐ the description, pages _____

☐ the claims, Nos. _____

☐ the drawings, sheets/fig _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP00/02566

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-3	YES
	Claims		NO
Inventive step (IS)	Claims		YES
	Claims	1-3	NO
Industrial applicability (IA)	Claims	1-3	YES
	Claims		NO

2. Citations and explanations

Claims 1, 3

Document 1 [microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 168158/1985 (Laid-open No. 78072/1987), (Kabushiki Kaisha Yasukawa Denki Seisakusho), 19 May 1987 (19.05.87), full text; Figs. 1 to 5 (Family: none)] describes a brushless motor comprising a rotor within a stator, wherein motor characteristics control means controls the direction and amount of current to a field coil to change the magnetic flux generated by the field coil, and controls the effective magnetic flux operating between the rotor and stator to control motor characteristics.

Document 2 [JP, 10-178752, A (Sony Corporation) 30 June 1998 (30.06.98), full text; Figs. 1 to 6 (Family: none)] describes a field magnet with a plurality of permanent magnets made from magnetic material magnetized to the same pole and a plurality of control poles of magnetic material interposed between the permanent magnets.

Document 3 [US, 4656379, A (THE GARRETT CORPORATION), 7 April 1987 (07.04.87), page 8, line 55 to page 9, line 10; Fig. 13], albeit with reference to a generator, describes a rotor provided in a stator, and a field coil disposed on a stator such as to be wound in a direction surrounding the rotor core; thus the inventions described in claims 1 and 3 do not appear to involve an inventive step.

Claim 2

Document 4 [JP, 9-171760, A (Mitsuba Corporation) 30 June 1997 (30.06.97), par. nos [0010] to [0016], Fig. 1] albeit with reference to a generator, describes a rotor provided in a stator, and a field coil disposed on a stator such as to be wound in a direction surrounding a boss rotor; thus the invention described in claim 2 does not appear to involve an inventive step.

PCT

From the INTERNATIONAL BUREAU

**NOTIFICATION OF THE RECORDING
OF A CHANGE**

(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

AMAGAI, Masahiko
Amagai Tokkyo Jimusyo
Kitashinjuku OC Building, 2nd floor
8-15, Kitashinjuku 1-chome
Shinjuku-ku
Tokyo 169-0074
JAPON

Date of mailing (day/month/year) 07 septembre 2001 (07.09.01)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference NSP0229P	
International application No. PCT/JP99/02566	International filing date (day/month/year) 18 mai 1999 (18.05.99)

1. The following indications appeared on record concerning:

☒ the applicant ☐ the inventor ☐ the agent ☐ the common representative

Name and Address

T.I.F. CO., LTD.
5-6-213, San-no 2-chome
Ohta-ku
Tokyo 143-0023
Japan

State of Nationality

JP

State of Residence

JP

Telephone No.

Facsimile No.

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☒ the person ☐ the name ☐ the address ☐ the nationality ☐ the residence

Name and Address

NIIGATA SEIMITSU CO., LTD.
5-13, Nishishiromachi 2-chome
Jouetsu-shi
Niigata 943-0834
Japan

State of Nationality

JP

State of Residence

JP

Telephone No.

Facsimile No.

Teleprinter No.

3. Further observations, if necessary:

Change by merger

4. A copy of this notification has been sent to:

☒ the receiving Office ☐ the designated Offices concerned
☐ the International Searching Authority ☒ the elected Offices concerned
☐ the International Preliminary Examining Authority ☐ other:

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Y. KUWAHARA

Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202
ETATS-UNIS D'AMERIQUE
in its capacity as elected Office

Date of mailing (day/month/year) 06 December 2000 (06.12.00)	
International application No. PCT/JP00/02566	Applicant's or agent's file reference FP-4140
International filing date (day/month/year) 20 April 2000 (20.04.00)	Priority date (day/month/year) 20 April 1999 (20.04.99)
Applicant UCHIYAMA, Hidekazu et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:
17 November 2000 (17.11.00)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was
☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer R. Forax Telephone No.: (41-22) 338.83.38
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